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#### SEQUENCE LISTING

<110> Oncotherapy Science, Inc. The University of Tokyo <120> Method of Diagnosing Breast Cancer <130> ONC-A0306P1 <160> 34 <170> PatentIn version 3.1 <210> 1 ⟨211⟩ 928 <212> DNA <213> Homo sapiens <220> <221> CDS <222> (127).. (720) <223> <400> 1 gcgcgcagcg ctggtacccc gttggtccgc gcgttgctgc gttgtgaggg gtgtcagctc 60

agtgcatccc aggcagctct tagtgtggag cagtgaactg tgtgtggttc cttctacttg

gggatc atg cag aga gct tca cgt ctg aag aga gag ctg cac atg tta

120

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Met Gln Arg Ala Ser Arg Leu Lys Arg Glu Leu His Met Leu

1 5 10

gcc	aca	gag	cca	ccc	cca	ggc	atc	aca	tgt	tgg	caa	gat	aaa	gac	caa	216
Ala	Thr	Glu	Pro	Pro	Pro	Gly	Ile	Thr	Cys	Trp	G1n	Asp	Lys	Asp	Gln	
15					20					25					30	
atg	gat	gac	ctg	cga	gct	caa	ata	tta	ggt	gga	gcc	aac	aca	cct	tat	264
Met	Asp	Asp	Leu	Arg	Ala	Gln	Ile	Leu	Gly	Gly	Ala	Asn	Thr	Pro	Tyr	
				35					40					45		
gag	aaa	ggt	gtt	ttt	aag	cta	gaa	gtt	atc	att	cct	gag	agg	tac	cca	312
Glu	Lys	Gly	Val	Phe	Lys	Leu	Glu	Val	Ile	Ile	Pro	Glu	Arg	Tyr	Pro	
			50					55					60			
ttt	gaa	cct	cct	cag	atc	cga	ttt	ctc	act	cca	att	tat	cat	cca	aac	360
Phe	Glu	Pro	Pro	Gln	Ile	Arg	Phe	Leu	Thr	Pro	Ile	Tyr	His	Pro	Asn	
		65					70					75				
att	gat	tct	gct	gga	agg	att	tgt	ctg	gat	gtt	ctc	aaa	ttg	cca	cca	408
			Ala													
	80	202		,	6	85	-,-				90					
	00															
		~c+	+	0.55	000	+00	at a	900	a+^	acc	ac+	a+~	++~	200	tot	456
			tgg													#0U
Lys	GLY	ALA	Trp	Arg	rro	ser	Leu	ASD	тте	ATA	ınr	raı	Leu	ınr	et.	

105

110

100

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att	cag	ctg	ctc	atg	tca	gaa	ccc	aac	cct	gat	gac	ccg	ctc	atg	gct	504
Ile	Gln	Leu	Leu	Met	Ser	G1u	Pro	Asn	Pro	Asp	Asp	Pro	Leu	Met	Ala	
				115					120					125		
gac	ata	tcc	tca	gaa	ttt	aaa	tat	aat	aag	cca	gcc	ttc	ctc	aag	aat	552
Asp	Ile	Ser	Ser	Glu	Phe	Lys	Tyr	Asn	Lys	Pro	Ala	Phe	Leu	Lys	Asn	
			130				•	135					140			
			•													
gcc	aga	cag	tgg	aca	gag	aag	cat	gca	aga	cag	aaa	caa	aag	gct	gat	600
														Ala	_	
		145					150					155				
ឧឧឧ	gaa	gag	atg	ctt	gat	aat	cta	cca	gag	gct	ggt	gac	tcc	aga	gta	<b>64</b> 8
														Arg		
01 u	160	014	11100	Dou	1101	165					170					
	100					100										
		+					200	<b>~~</b>	aat	000	oto	at a	aac	a+a	naa	696
														ata		050
		Ser	inr	GIN		Arg	Lys	AIA	Ser		Leu	Val	СТУ	Ile		
175	•				180					185					190	
									•							
							tag	ggg	actt	gtc (	ctgg	ttca	tc t	tagt	taatg	750
Lys	Lys	Phe	His	Pro	Asp	Val										
				195												

tgttctttgc caaggtgatc taagttgcct accttgaatt tttttttaaa tatatttgat

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⟨211⟩ 197

<212> PRT

<213> Homo sapiens

<400> 2

Met Gln Arg Ala Ser Arg Leu Lys Arg Glu Leu His Met Leu Ala Thr

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Glu Pro Pro Gly Ile Thr Cys Trp Gln Asp Lys Asp Gln Met Asp
20 25 30

Asp Leu Arg Ala Gln Ile Leu Gly Gly Ala Asn Thr Pro Tyr Glu Lys

35 40 45

Gly Val Phe Lys Leu Glu Val Ile Ile Pro Glu Arg Tyr Pro Phe Glu

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50 55 60

Pro Pro Gln Ile Arg Phe Leu Thr Pro Ile Tyr His Pro Asn Ile Asp
65. 70 75 80

Ser Ala Gly Arg Ile Cys Leu Asp Val Leu Lys Leu Pro Pro Lys Gly
85 90 95

Ala Trp Arg Pro Ser Leu Asn Ile Ala Thr Val Leu Thr Ser Ile Gln
100 105 110

Leu Leu Met Ser Glu Pro Asn Pro Asp Asp Pro Leu Met Ala Asp Ile
115 120 125

Ser Ser Glu Phe Lys Tyr Asn Lys Pro Ala Phe Leu Lys Asn Ala Arg
130 135 140

Gln Trp Thr Glu Lys His Ala Arg Gln Lys Gln Lys Ala Asp Glu Glu
145 150 155 160

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Glu Met Leu Asp Asn Leu Pro Glu Ala Gly Asp Ser Arg Val His Asn 170 175

Ser Thr Gln Lys Arg Lys Ala Ser Gln Leu Val Gly Ile Glu Lys Lys 190 185 180

Phe His Pro Asp Val

165

195

<210> 3

<211> 1472

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

(53).. (1189) <222>

<223>

<400> 3

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Gly	Ala	Gly	Val	Ala	Ala	Gly	Thr	Arg	Pro	Pro	Ser	Ser	Pro	Thr	Pro	
		5					10					15				
ggc	tct	cgg	cgc	cgg	cgc	cag	cgc	ccc	tct	gtg	ggc	gtc	cag	tcc	ttg	154
Gly	Ser	Arg	Arg	Arg	Arg	Gln	Arg	Pro	Ser	Val	Gly	Val	G1n	Ser	Leu	
	20					25					30					
		•														
agg	ccg	cag	agc	ccg	cag	ctc	agg	cag	agc	gac	ccg	cag	aaa	cgg	aac	202
						Leu										
35		<b></b>			40		6	0211	501	45	110		,	6	50	
00					10					10					00.	
a+ =		a+-	~~~			.+.	•	++-	a+~					+		250
						ctg										250
Leu	Asp	Leu	GLu		Ser	Leu	Gin	Phe		Gin	GIn	Gin	His		Glu	
				55					60					65		
atg	ctg	gcc	aag	ctc	cat	gag	gag	atc	gag	cat	ctg	aag	cgg	gaa	aac	298
Met	Leu	Ala	Lys	Leu	His	Glu	Glu	Ile	Glu	His	Leu	Lys	Arg	Glu	Asn	
			70					75	•				80			
aag	gat	ctc	cat	tac	aag	ctc	ata	atg	aat	cag	aca	tca	cag	aag	aaa	346
Lys	Asp	Leu	His	Tyr	Lys	Leu	Ile	Met	Asn	Gln	Thr	Ser	Gln	Lys	Lys	

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gat	ggc	ccc	tca	gga	aac	cac	ctt	tcc	agg	gcc	tct	gct	ссс	ttg	ggc	394
Asp	Gly	Pro	Ser	Gly	Asn	His	Leu	Ser	Arg	Ala	Ser	Ala	Pro	Leu	Gly	
	100					105					110					
gct	cgc	tgg	gtc	tgc	atc	aac	gga	gtg	tgg	gta	gag	ccg	gga	gga	ccc	442
Ala	Arg	Trp	Val	Cys	Ile	Asn	Gly	Va1	Trp	Val	Glu	Pro	Gly	Gly	Pro	
115		-			120					125					130	
							•									
agc	cct	gcc	agg	ctg	aag	gag	ggc	tcc	tca	cgg	aca	cac	agg	cca	gga	490
Ser	Pro	Ala	Arg	Leu	Lys	Glu	Gly	Ser	Ser	Arg	Thr	His	Arg	Pro	Gly	
				135					140					145		
ggc	aag	cgt	ggg	cgt	ctt	gcg	ggc	ggt	agc	gcc	gac	act	gtg	cgc	tct	538
Gly	Lys	Arg	G1y	Arg	Leu	Ala	Gly	Gly	Ser	Ala	Asp	Thr	Val	Arg	Ser	
			150					155					160			
cct	gca	gac	agc	ctc	tcc	atg	tca	agc	ttc	cag	tct	gtc	aag	tcc	atc	586
Pro	Ala	Asp	Ser	Leu	Ser	Met	Ser	Ser	Phe	Gln	Ser	Val	Lys	Ser	Ile	
		165					170					175				
tct	aat	tca	ggc	aag	gcc	agg	ccc	cag	ccc	ggc	tcc	ttc	aac	aag	caa	634
Ser	Asn	Ser	Gly	Lys	Ala	Arg	Pro	Gln	Pro	Gly	Ser	Phe	Asn	Lys	Gln	
	180					185					190					
gat	tca	aaa	gct	gac	gtc	tcc	cag	aag	gcg	gac	ctg	gaa	gag	gag	ccc	682

Asp Ser Lys Ala Asp Val Ser Gln Lys Ala Asp Leu Glu Glu Glu Pro

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cta ctt cac aac agc aag ctg gac aaa gtt cct ggg gta caa ggg cag Leu Leu His Asn Ser Lys Leu Asp Lys Val Pro Gly Val Gln Gly Gln gcc aga aag gag aaa gca gag gcc tct aat gca gga gct gcc tgt atg Ala Arg Lys Glu Lys Ala Glu Ala Ser Asn Ala Gly Ala Ala Cys Met ggg aac agc cag cac cag ggc agg cag atg ggg gcg ggg gca cac ccc Gly Asn Ser Gln His Gln Gly Arg Gln Met Gly Ala Gly Ala His Pro cca atg atc ctg ccc ctt ccc ctg cga aag ccc acc aca ctt agg cag Pro Met Ile Leu Pro Leu Pro Leu Arg Lys Pro Thr Thr Leu Arg Gln tgc gaa gtg ctc atc cgc gag ctg tgg aat acc aac ctc ctg cag acc Cys Glu Val Leu Ile Arg Glu Leu Trp Asn Thr Asn Leu Leu Gln Thr caa gag ctg cgg cac ctc aag tcc ctc ctg gaa ggg agc cag agg ccc Gln Glu Leu Arg His Leu Lys Ser Leu Leu Glu Gly Ser Gln Arg Pro 

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cag	gca	gcc	ccg	gag	gaa	gct	agc	ttt	ccc	agg	gac	caa	gaa	gcc	acg	1018
Gln	Ala	Ala	Pro	Glu	Glu	Ala	Ser	Phe	Pro	Arg	Asp	Gln	Glu	Ala	Thr	
			310					315					320			
cat	ttc	ccc	aag	gtc	tcc	acc	aag	agc	ctc	tcc	aag	aaa	tgc	ctg	agc	1066
His	Phe	Pro	Lys	Val	Ser	Thr	Lys	Ser	Leu	Ser	Lys	Lys	Cys	Leu	Ser	
		325					330					335				
•							٠									
cca	cct	gtg	gcg	gag	cgt	gcc	atc	ctg	ccc	gca	ctg	aag	cag	acc	ccg	1114
Pro	Pro	Va1	Ala	Glu	Arg	Ala	Ile	Leu	Pro	Ala	Leu	Lys	Gln	Thr	Pro	
	340					345					350					
aag	aac	aac	ttt	gcc	gag	agg	cag	aag	agg	ctg	cag	gca	atg	cag	aaa	1162
Lys	Asn	Asn	Phe	Ala	Glu	Arg	Gln	Lys	Arg	Leu	Gln	Ala	Met	Gln	Lys	
355					360					365					370	
cgg	cgc	ctg	cat	cgc	tca	gtg	ctt	tga	gcca	accc	caa ·	tctg	gtca	gt		1209
Arg	Arg	Leu	His	Arg	Ser	Va1	Leu									
				375												
gcc	aggc	cca (	ccaa	cctg	ca g	ctgg	agac	t gg	ctct	ctat	agca	attt	cct (	gata	cttccg	1269
cta	cttt <sup>-</sup>	tag ;	gcct	ggcta	aa a	ttcc	aaga	c aga	ataa	cact	caa	gata	gat a	aaag	tacttg	1329
		•														٠
atc	tcca	aac '	tgaca	aaac <sup>.</sup>	tg t	ttat <sup>.</sup>	tttc <sup>.</sup>	t ago	ctgt	tatt	ttg	ctat	ttg į	gcat <sup>.</sup>	ttacat	1389

11/34

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atttccaaaa aaaaaaaaaa aaa

1472

<210> 4

⟨211⟩ 378

<212> PRT

<213> Homo sapiens

<400> 4

Met Ser Gly Ala Gly Val Ala Ala Gly Thr Arg Pro Pro Ser Ser Pro

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Thr Pro Gly Ser Arg Arg Arg Gln Arg Pro Ser Val Gly Val Gln
20 25 30

Ser Leu Arg Pro Gln Ser Pro Gln Leu Arg Gln Ser Asp Pro Gln Lys

35
40
45

Arg Asn Leu Asp Leu Glu Lys Ser Leu Gln Phe Leu Gln Gln Gln His
50 55 60

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Ser Glu Met Leu Ala Lys Leu His Glu Glu Ile Glu His Leu Lys Arg

70 75 80

Glu Asn Lys Asp Leu His Tyr Lys Leu Ile Met Asn Gln Thr Ser Gln

85 90 95

Lys Lys Asp Gly Pro Ser Gly Asn His Leu Ser Arg Ala Ser Ala Pro

100 105 110

Leu Gly Ala Arg Trp Val Cys Ile Asn Gly Val Trp Val Glu Pro Gly
115 120 125

Gly Pro Ser Pro Ala Arg Leu Lys Glu Gly Ser Ser Arg Thr His Arg

130 135 140

Pro Gly Gly Lys Arg Gly Arg Leu Ala Gly Gly Ser Ala Asp Thr Val
145 150 155 160

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Arg Ser Pro Ala Asp Ser Leu Ser Met Ser Ser Phe Gln Ser Val Lys

165 170 175

Ser Ile Ser Asn Ser Gly Lys Ala Arg Pro Gln Pro Gly Ser Phe Asn 180 185 190

Lys Gln Asp Ser Lys Ala Asp Val Ser Gln Lys Ala Asp Leu Glu Glu
195 200 205

Glu Pro Leu His Asn Ser Lys Leu Asp Lys Val Pro Gly Val Gln
210 215 220

Gly Gln Ala Arg Lys Glu Lys Ala Glu Ala Ser Asn Ala Gly Ala Ala 225 230 235 240

Cys Met Gly Asn Ser Gln His Gln Gly Arg Gln Met Gly Ala Gly Ala
245 250 255

His Pro Pro Met Ile Leu Pro Leu Pro Leu Arg Lys Pro Thr Thr Leu 260 265 270

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Arg Gln Cys Glu Val Leu Ile Arg Glu Leu Trp Asn Thr Asn Leu Leu
275
280
285

Gln Thr Gln Glu Leu Arg His Leu Lys Ser Leu Leu Glu Gly Ser Gln 290 295 300

Arg Pro Gln Ala Ala Pro Glu Glu Ala Ser Phe Pro Arg Asp Gln Glu 305 310 315 320

Ala Thr His Phe Pro Lys Val Ser Thr Lys Ser Leu Ser Lys Lys Cys
325
330
335

Leu Ser Pro Pro Val Ala Glu Arg Ala Ile Leu Pro Ala Leu Lys Gln 340 345 350

Thr Pro Lys Asn Asn Phe Ala Glu Arg Gln Lys Arg Leu Gln Ala Met
355 360 365

WO 2005/029067	PCT/JP2004/011741

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Gln Lys Arg Arg Leu His Arg Ser Val Leu
370 375

<210> 5

⟨211⟩ 1315

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (251).. (1114)

<223>

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cccgcctccc ctccgcgtga gctctgggat ggtccgcgcc gggagcgcgc gcgaggcttg 180

aagcgcgggt gaagcgcgca ggtcggagtg acagctgcgc tgccggcccg gctgcggtca 240

gcaacgcgcc atg gac gca gag ctg gca gag gtg cgc gcc ttg caa gct 289

Met Asp Ala Glu Leu Ala Glu Val Arg Ala Leu Gln Ala

1 5 10

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gag	atc	gcg	gcc	ctg	cgg	cga	gcg	tgt	gag	gac	cca	ccg	gcg	ccc	tgg	337
Glu	Ile	Ala	Ala	Leu	Arg	Arg	Ala	Cys	Glu	Asp	Pro	Pro	Ala	Pro	Trp	
	15					20					25					
•																
gaa	gag	aag	tcc	cga	gtc	caa	aaa	tct	ttt	caa	gcc	ata	cac	caa	ttc	385
Glu	Glu	Lys	Ser	Arg	Val	Gln	Lys	Ser	Phe	Gln	Ala	Ile	His	Gln	Phe	
30					35		•			40					45	
aat	ttg	gaa	gga	tgg	aag	tct	tca	aaa	gat	ctg	aaa	aat	cag	ctt	gga	433
Asn	Leu	G1u	Gly	Trp	Lys	Ser	Ser	Lys	Asp	Leu	Lys	Asn	Gln	Leu	Gly	
				50					55					60		
cat	tta	gaa	tca	gaa	ctt	tca	ttt	cta	agt	acg	ctt	act	ggc	atc	aat	481
His	Leu	G1u	Ser	Glu	Leu	Ser	Phe	Leu	Ser	Thr	Leu	Thr	Gly	Ile	Asn	
			65					70					75			
ata	aga	aat	cac	tcc	aag	cag	aca	gaa	gac	cta	aca	agc	act	gag	atg	529
Ile	Arg	Asn	His	Ser	Lys	Gln	Thr	Glu	Asp	Leu	Thr	Ser	Thr	Glu	Met	
		80					85 <sub>.</sub>					90				
									•							
aca	gaa	aag	agt	att	aga	aaa	gtt	cta	cag	aga	cac	aga	tta	tca	gga	577
Thr	G1u	Lys	Ser	Ile	Arg	Lys	Val	Leu	G1n	Arg	His	Arg	Leu	Ser	Gly	
	95					100					105					

aat tgc cac atg gtt aca ttt caa ctt gaa ttt cag att ctg gaa att

## 17/34

Asn	Cys	His	Met	Val	Thr	Phe	Gln	Leu	Glu	Phe	Gln	Ile	Leu	Glu	Ile	
110					115					120					125	
cag	aat	aag	gag	aga	tta	tct	tct	gct	gtt	act	gac	ctc	aac	ata	ata	673
G1n	Asn	Lys	Glu	Arg	Leu	Ser	Ser	Ala	Val	Thr	Asp	Leu	Asn	Ile	Ile	
				130					135					140		
atg	gag	ccc	aca	gaa	tgc	tca	gaa	tta	agt	gaa	ttt	gtg	tct	aga	gca	721
Met	Glu	Pro	Thr	Glu	Cys	Ser	Glu	Leu	Ser	G1u	Phe	Val	Ser	Arg	Ala	
			145					150					155			
gaa	gag	aga	aaa	gat	ctg	ttc	atg	ttt	ttc	cga	agc	ctg	cat	ttt	ttt	769
					Leu											
		160	-,-				165			0		170				
gtg	gag	tgg	ttt	gaa	tat	cgt	aag	cgc	acg	ttt	aaa	cat	ctc	aag	gaa	817
Val	G1u	Trp	Phe	Glu	Tyr	Arg	Lys	Arg	Thr	Phe	Lys	His	Leu	Lys	Glu	
	175					180					185			•		
aag	tac	cca	gat	gcc	gtg	tac	ctc	tcg	gag	ggg	ccc	tcc	tcc	tgc	tcc	865
Lys	Tyr	Pro	Asp	Ala	Val	Tyr	Leu	Ser	Glu	Gly	Pro	Ser	Ser	Cys	Ser	
190					195					200					205	
															• .	
atg	ggg	atc	cgc	agc	gcc	agc	cgg	cca	ggg	ttt	gaa	tta	gtc	att	gtt	913
Met	Gly	Ile	Arg	Ser	Ala	Ser	Arg	Pro	Gly	Phe	Glu	Leu	Val	Ile	Val	
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Trp	Arg	Ile	Gln	Ile	Asp	Glu	Asp	Gly	Lys	Val	Phe	Pro	Lys	Leu	Asp	
			225					230					235			
ctt	ctc	acc	aaa	gtc	cca	cag	cga	gcc	ctg	gag	ctg	gac	aag	aac	aga	1009
Leu	Leu	Thr	Lys	Val	Pro	G1n	Arg	Ala	Leu	Glu	Leu	Asp	Lys	Asn	Arg	
		240	· ·				245					250				
gcc	ata	gaa	act	gct	cct	ctc	agc	ttc	cga	acc	ctg	gta	gga	ctg	ctt	1057
Ala	Ile	Glu	Thr	Ala	Pro	Leu	Ser	Phe	Arg	Thr	Leu	Val	Gly	Leu	Leu	
	255					260					265					
gga	atc	gaa	gct	gct	ctg	gaa	agc	ctg	ata	aaa	tcg	ctt	tgt	gca	gag	1105
												_		Ala		
270					275					280					285	٠
									•							
ឧឧឧ	aac	аас	tagi	ttees	aaa a	acagi	tgaad	eg tg	zgage	zatga	a aga	atgci	tece			1154
	Asn							-0 -0	-0-GC	<b>.</b>	0-		-8-8			
Olu	71511	71.511														
<b>.</b>			<b>.</b>				-a+a		. + + + .		+++	t a t a	a++ 4		20000	1214
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														•	,	1074
ccct	gaag	gac g	gtgct	tgtc1	ta tg	gcag1	ttate	g gca	acati	tata	tgga	aaac	tct (	catga	acatga	1274
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<210> 6

<211> 288

<212> PRT

<213> Homo sapiens

<400> 6

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Ala Leu Arg Arg Ala Cys Glu Asp Pro Pro Ala Pro Trp Glu Glu Lys
20 25 30

Ser Arg Val Gln Lys Ser Phe Gln Ala Ile His Gln Phe Asn Leu Glu 35 40 45

Gly Trp Lys Ser Ser Lys Asp Leu Lys Asn Gln Leu Gly His Leu Glu
50 55 60

Ser Glu Leu Ser Phe Leu Ser Thr Leu Thr Gly Ile Asn Ile Arg Asn

20/34

65 70 75 80

His Ser Lys Gln Thr Glu Asp Leu Thr Ser Thr Glu Met Thr Glu Lys

85
90
95

Ser Ile Arg Lys Val Leu Gln Arg His Arg Leu Ser Gly Asn Cys His

100 105 110

Met Val Thr Phe Gln Leu Glu Phe Gln Ile Leu Glu Ile Gln Asn Lys

115 120 125

Glu Arg Leu Ser Ser Ala Val Thr Asp Leu Asn Ile Ile Met Glu Pro 130 135 140

Thr Glu Cys Ser Glu Leu Ser Glu Phe Val Ser Arg Ala Glu Glu Arg 145 150 155 160

Lys Asp Leu Phe Met Phe Phe Arg Ser Leu His Phe Phe Val Glu Trp

165 170 175

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Phe Glu Tyr Arg Lys Arg Thr Phe Lys His Leu Lys Glu Lys Tyr Pro
180 185 190

Asp Ala Val Tyr Leu Ser Glu Gly Pro Ser Ser Cys Ser Met Gly Ile
195 200 205

Arg Ser Ala Ser Arg Pro Gly Phe Glu Leu Val Ile Val Trp Arg Ile
210 215 220

Gln Ile Asp Glu Asp Gly Lys Val Phe Pro Lys Leu Asp Leu Leu Thr
225 230 235 240

Lys Val Pro Gln Arg Ala Leu Glu Leu Asp Lys Asn Arg Ala Ile Glu 245 250 255

Thr Ala Pro Leu Ser Phe Arg Thr Leu Val Gly Leu Leu Gly Ile Glu 260 265 270

Ala Ala Leu Glu Ser Leu Ile Lys Ser Leu Cys Ala Glu Glu Asn Asn

22/34

275 280 285

⟨210⟩ 7

<211> 20

<212> DNA

⟨213⟩ Artificial

⟨220⟩

<223> Artificaially synthesis primer for RT-PCR

⟨400⟩ 7

cgaccacttt gtcaagctca

20

⟨210⟩ 8

⟨211⟩ 23

<212> DNA

⟨213⟩ Artificial

<220>

<223> Artificially synthesis primer for RT-PCR

**<400>** 8

23/34

<210> 9

<211> 23

<212> DNA

<213> Artificial

<220>

<223> Artificially synthesis primer for RT-PCR

<400> 9

caaatattag gtggagccaa cac

23

⟨210⟩ 10

⟨211⟩ 23

<212> DNA

<213> Artificial

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<223> Artificially synthesis primer for RT-PCR

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24/34

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20

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23

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23

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23

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26/34

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**<400>** 15

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20

⟨210⟩ 16

⟨211⟩ 24

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27/34

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⟨211⟩ 30

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28/34

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29/34

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<220>

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**<400> 23** 

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30/34

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51

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31/34

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18

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32/34

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19

⟨210⟩ 29

⟨211⟩ 19

<212> DNA

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<400> 29

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19

<210> 30

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33/34

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gcctgcagtt cctgcagca

19

<210> 31

⟨211⟩ 19

<212> DNA

⟨213⟩ Artificial

<220>

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19

⟨210⟩ 32

⟨211⟩ 19

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**<400> 32** 

34/34

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<210> 33

⟨21:1⟩ 19

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<400> 33

actgeteete teagettee

19

19

⟨210⟩ 34

**<211> 19** 

<212> DNA

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<220>

<223> target sequence for siRNA

<400> 34

gtacgcttac tggcatcaa